# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS

### APRIL 1934

**Any five of the nontechnical publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D.C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.**
**Free distribution of technical material and periodicals is restricted.**

### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Determining the age of farm animals by their teeth. George W. Pope, Bureau of Animal Industry. 14 p., illus. (F.B. 1721F.) Price, 5¢.

Livestock owners and buyers of market animals often find it desirable to determine the approximate age of the animals. This publication shows how to determine by the size and condition of the teeth the approximate age of farm animals from early life to maturity and, in many cases, even in old age.

Feeding, care, and management of young dairy stock. J. B. Shepherd and Fred W. Miller, Bureau of Dairy Industry. 33 p., illus. (F.B. 1723F.) Price, 5¢.

Describes in detail the proper feeding, breeding, and handling methods necessary for raising strong healthy calves that have an inheritance for high milk and butterfat production. The common ailments of calves are given, together with directions for their prevention.

### TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

A study of the raw cotton and the yarn and sheeting manufactured from three grades of American upland cotton. Bureau of Agricultural Economics and the Bureau of Home Economics in cooperation with Clemson Agricultural College. 70 p., illus. (T.B. 406T.) Price, 10¢.

The procedure employed in the manufacture of the sheeting and the observations pertaining to the behavior of the cottons during manufacture and to some properties of the raw cottons and of their intermediate products, yarns, and fabrics are presented. The studies that deal with the serviceability and the resistance of the fabrics to ironing conditions are also reported.

Properties of white fir and their relation to the manufacture and uses of the wood. R. P. A. Johnson and M. R. Brundage, Forest Service. 77 p., illus. (T.B. 408T.) Price, 10¢.

The purpose of this bulletin is to furnish detailed information on the properties and characteristics of the wood of white fir, for the assistance of consumers and manufacturers in determining the sultability of this wood for specific uses.

Yield of second-growth western hemlock-Sitka spruce stands in southeastern Alaska. R. F. Taylor, Forest Service. 30 p., illus. (T.B. 412T.) Price, 5¢.

For the purpose of planning management in detail and alloting suitable areas to wood-using industries it is necessary to know approximately at least, the producing power of individual areas. This bulletin describes the results of such a study.

Effect of quantity and kinds of feed on economy of gains and body composition of hogs. N. R. Ellis and J. H. Zeller, Bureau of Animal Industry. 31 p., illus. (T.B. 413T.) Price, 5¢.

These studies indicate the influence of controlled feeding levels in comparative feeding experiments with respect to the effect of differences in intake of hogs on the efficiency of utilization of the ration.

Field studies on resistance of hybrid selections of oats to covered and loose smuts. T. R. Stanton, F. A. Coffman, and V. F. Tapke, Bureau of Plant Industry. 10 p. (T.B. 422T.) Price, 5¢.

Smuts take an estimated toll of approximately 45 million bushels of oats annually. Seed treatment is effective but is not practiced. Another method of reducing oat losses is by breeding and developing smut-resistant varieties, as here described.

## CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Orchard insects of the Pacific Northwest and their control. E. J. Newcomer, Bureau of Entomology. 77 p., illus. (Cir. 270C., rev.) Price, 10¢.

The oriental flowering cherries. Paul Russell, Bureau of Plant Industry. 72 p., illus. (Cir. 313C.) Price, 10¢.

Answers the questions that may arise in the minds of would-be growers of these trees, and includes all phases of information in regard to oriental flowering cherries, historical, cultural, botanical, and practical.

## MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

List of available publications of the United States Department of Agriculture, January 2, 1934. Compiled by F. L. Zimmerman, Office of Information. 113 p. (M.P. 60MP., rev.) Price, 10¢.

The United States Department of Agriculture: Its structure and functions. M. S. Eisenhower and A. P. Chew, Office of Information, with the assistance of officials in all the bureaus and offices of the Department. 177 p., illus. (M.P. 88MP., rev.) Price, 15¢.

List of technical workers in the Department of Agriculture and outline of Department functions, 1933. Personnel and Business Administration. 12 p. (M.P. 177MP.) Price, 10¢.

List of bulletins of the agricultural experiment stations for the calendar years 1931 and 1932. Catherine E. Pennington, Office of Experiment Stations. 77 p. (M.P. 181MP.) Price, 10¢.

Synopsis of Federal plant quarantines affecting interstate shipments in effect January 1, 1934. S. B. Fracker, R. A. Sheals, and M. A. Thompson, Bureau of Plant Quarantine. 135 p. (M.P. 189MP.) Price, 10¢.

This publication is prepared as a result of a demand from State nursery inspectors and others for the assembling and indexing of Federal plant quarantine regulations affecting the interstate shipment of plants, plant products, and other restricted articles.

Present guides for household buying. Ruth O'Brien and Medora M. Ward, Bureau of Home Economics. 32 p. (M.P. 193MP.) Price, 5¢.

Describes those guides which are of special interest to the ultimate consumer—that person who is buying things on the retail market for his own or his family's use.

## SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Official grain standards of the United States for wheat, barley, oats, feed oats, mixed feed oats, rye and mixed grain, July 2, 1934; for flaxseed, effective August 1, 1934; and for corn and grain sorghums, effective September 1, 1934. Bureau of Agricultural Economics. 31 p. (S.R.A.–B.A.E. no. 114.)[1]

Notices of judgment under the Caustic Poison Act. Food and Drug Administration. April 1934. 3 p. (N.J., C.P. 16–21.)[1]

Notices of judgment under the Insecticide Act. Food and Drug Administration. April 1934. (N.J., I.F. 1276–1295.) pp. 163–174.[1]

## SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

California, El Cajon Area. (Number 15, series 1930.) 42 p., illus. Price, 25¢.

North Carolina, Craven County. (Number 23, series 1929.) 27 p., illus. Price, 50¢.

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[1] These may be obtained from the issuing bureau.

## OTHER PUBLICATIONS

Report of the Puerto Rico Agricultural Experiment Station, 1933. 24 p., illus. Price, 5¢.

## PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 18, no. 4, February 1, 1934. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.[2]

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 11, no. 3, February 1934. Price, 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[2]

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, $3 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, $2.40 a year.[2]

Extension service review. Vol. 5, no. 3, March 1934. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.[2]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, $2.25 a year domestic; $3.50 a year foreign. Not distributed free to individuals. Each issue, price, 10¢. Reprints, 5¢ each.[2]

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

—— Vol. 48, no. 3. Illus. February 1, 1934.

Contents:

Studies on *Armillaria mellea* (Vahl) Quel., infection, parasitism, and host resistance (Calif.–66). Harold E. Thomas.
Determination of hardiness in alfalfa varieties by their enzymatic responses. (G–882.) H. M. Tysdal.
Cutting yields of hogs and index of fatness (A–159). K. F. Warner, N. R. Ellis, and Paul E. Howe.
Physical characteristics of hog carcasses as measures of fatness (A–160). O. G. Hankins and N. H. Ellis.
Factors affecting gladiolus in storage (G–884). J. I. Lauritzen and R. C. Wright.

[2] Payable to the Superintendent of Documents Government Printing Office, Washington, D.C.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D.C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D.C., enclosing remittance to cover cost of publication.

| Farmer's Bulletins | Leaflets | Other publications |
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Journal of agricultural research. Vol. 48, no. 4. Illus. February 15, 1934.

Contents:

Developmental anatomy and homologies in wheat (G–886). M. A. McCall.
Self-fertilization in sugar beets as influenced by type of isolator and other factors (G–883). H. E. Brewbaker.
Maize crossing values in second-generation lines (J–2). Robert L. Davis.
Hyperparasitism in the case of some introduced Lepidopterous tree defoliators (K–247). A. B. Proper.
The relation of "dark center" to the composition of rutabagas (Mass.–38). E. B. Holland and C. P. Jones.

Public roads. Vol. 15, no. 1, March 1934. Price, 10¢ a copy, $1 a year, $1.50 a year, foreign.[2]

Weekly weather and crop bulletin. Nos. 14–17, April 3–24, 1934. Price 50¢ a year, domestic; $1 a year, foreign.[2]

## AGRICULTURAL ADJUSTMENT ADMINISTRATION

The beef-cattle problem. Cattle and sheep section. 12 p. (Cattle no. 1.)[2]

Agricultural adjustment: A report of administration of the Agricultural Adjustment Act May 1933 to February 1934. Agricultural Adjustment Administration. 393 p. (G.–S.) Price, 25¢.[2]

The citrus program under the Agricultural Adjustment Administration. E. W. Braun. 23 p. (G–9).[2]

Code of fair competition for the grain exchanges and members thereof. Approved by the President of the United States. Code of Fair Competition Series—Code no. 11. 10 p. (M–55.) Price, 5¢.[2]

Marketing agreement for fire-cured and dark air-cured tobacco, types 21, 22, 23, 24, and 36. Marketing Agreement Series—Agreement no. 41. 8 p. (M–56.) Price, 5¢.[2]

Code of fair competition for the live poultry industry of the Metropolitan Area in and about the City of New York. Approved by the President of the United States. Code of Fair Competition Series—Code no. 12. 19 p. (M–57.) Price, 5¢.[2]

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[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.
[2] These may be obtained free upon application to the Agricultural Adjustment Administration.

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